

A (p.1)

THOMSON			
DELPHION		RESEARCH	PRODUCTS
		INSIDE DELPHION	
		Search Grid Number Select Advanced Search	

The Delphion Integrated View

Get Now: PDF | [More choices...](#)Tools: Add to Work File: [Create new Work File](#)View: [Expand Details](#) | [INPADOC](#) | Jump to: [Top](#) Go to: [Derwent](#) [Email](#)

Title: EP0477525B1: Temporarily inelastic combination-embroidery yarn, manufacturing same and its use [\[German\]](#) [\[French\]](#)

Derwent Title: Embroidery thread for stretch fabrics - has a soluble cladding thread component to make thread inelastic for stitching but which allows it to stretch when dissolved [\[Derwent Record\]](#)

Country: EP European Patent Office (EPO)

Kind: B1 Patent I (See also: [EP0477525A1](#))

Inventor: Klaus, Richard, Dipl.-Ing.;

Assignee: [GVW Garnveredlungswerke GmbH](#)
[News, Profiles, Stocks and More about this company](#)

Published / Filed: 1994-10-19 / 1991-08-16

Application Number: EP1991000113730

IPC Code: [D02G 3/32](#);

ECLA Code: D02G3/32E; D02G3/40C2; D06M15/333;

Priority Number: 1990-08- [DE1990004027279](#)

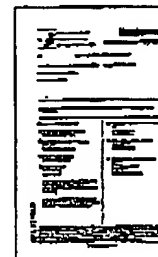
Abstract: [\[From equivalent EP0477525A1\]](#) The invention relates to temporarily inelastic combination- embroidery yarns based on virtually unstretched, highly elastic core filament yarns (for example based on elastanes), covered with an inner covering yarn composed of soluble yarns (for example PVA-hot water-soluble) and an outer covering yarn composed of textile threads or yarns, (for example viscose, polyamide or polyester). They are produced by covering a virtually unstretched, highly elastic core fibre, (for example elastane filament yarns) with an inner covering yarn based on a soluble covering yarn (for example hot water-soluble polyvinyl alcohol yarn) and an outer covering yarn composed of an insoluble textile covering yarn. Such a temporarily inelastic combination yarn is used as an embroidery yarn for embroidery application (decoration, pattern) on elastic backing fabrics/knitted fabrics with subsequent dissolving-out of the soluble inner covering yarn (for example PVA) with release of a certain elastic mobility of the embroidery yarn, which after this dissolving-out (for example in aqueous finishing processes) has such a stretchability that the applied embroidery can follow the elastic stretchings of the base fabric/knitted fabric.

Attorney, Agent or Firm: Gremm, Joachim, Dr. et al ;

INPADOC [Show legal status actions](#)

Get Now: [Family Legal Status Report](#)

Legal Status:
Designated Country: AT CH DE FR GB IT LI



A (p.2)

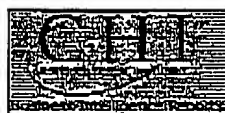
Family: Show 5 known family members

First Claim: Show all claims 1. A covered yarn consisting of a highly elastic core yarn (A), an inner, inelastic, soluble covering yarn (B) and an outer, insoluble, textile covering yarn (C), the covered yarn being initially inelastic and the highly elastic core yarn (C) being substantially unstretched, characterized in that the covered yarn has an elasticity of < 5%, preferably < 3% and more preferably < 1%, in that the covering yarns are wound crosswise around the highly elastic core yarn and in that, after the soluble inner covering yarn (B) has been dissolved out, the yarn does not shrink by more than the constituent material shrinkage of at most 20% and preferably 10% and, after the inner soluble covering yarn (B) has been dissolved out, has an elasticity of 0.1 to 100%, preferably 10 to 40% and more preferably 20 to 30%.

[\[German\]](#) [\[French\]](#)

Other Abstract DERABS C92-080955

Info:

[this for the Gallery...](#)[Nominate](#)